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Smith et al.

A LAUNCHER PLATFORM

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1	1.	A launcher platfo	rm comprising:
2		a support	structure; and
3		a plurality	of rails mounted on the support structure for
4		supporting missl	es thereon,
5		each adjacent rai	elevated above the other rails to accommodate
6		additional missle	s and different type missles while maintaining a low
7		center of gravity	
1	2.	The launcher pla	tform of claim 1 in which there are six rails total, three

above the other rails.

3. The launcher platform of claim 1 in which there are N total rails where N

is an even number, N/2 rails on each side of the support structure, and the minority of

on each side of the support structure, and the intermediate rails on each side are elevated

- 3 the rails are elevated.
- 1 4. The launcher platform of claim 1 in which adjacent rails are offset from 2 the other rails.
- 1 5. The launcher platform of claim 4 in which the offset rails are offset rearwardly from the other rails.
 - 6. The launcher platform of claim 4 in which the elevated rails are offset

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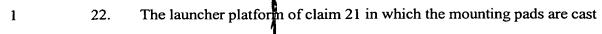
- 2 from the other rails.
- The launcher platform of claim 4 in which there are six rails total, three
- 2 on each side of the support structure, and the intermediate rails on each side are elevated
- 3 above and offset rearwardly from the other rails.
- 1 8. The launcher platform of claim 4 in which there are N rails total where N
- 2 is an even number, N/2 rails on each side of the support structure, and the minority of
- 3 the rails are offset from the other rails.
- 1 9. The launcher platform of claim 1 in which the support structure is a
- 2 monolithic platform.
- 1 10. The launcher platform of claim 9 in which the monolithic platform
- 2 includes a set of mounting pads for each rail.
- 1 11. The launcher platform of claim 10 in which the mounting pads are cast
- 2 as a part of the platform.
- 1 12. The launcher platform of claim 9 in which the platform has a
- predetermined width and a predefined length.
- 1 13. The launcher platform of claim 9 in which the platform is made of
- 2 aluminum.





- 1 14. The launcher platform of claim 9 in which the platform is made of a
- 2 composite material.
- 1 15. The launcher platform of claim 9 in which the platform has a center line
- and the rails are symmetrically arranged with respect to the center line of the platform.

1	16.	A launcher platform comprising:				
2		a support structure; and				
3		a plurality of rails mounted on the support structure for				
4		supporting missles thereon,				
5		each adjacent rail elevated above and offset rearwardly from the other				
6		rails to accommodate additional missles and different type missles while				
7		maintaining a low center of gravity.				
1	17.	The launcher platform of claim 16 in which there are six rails total, three				
2	on each side of	of the support structure, and the intermediate rails on each side are elevated				
3	above the other	er rails.				
1	18.	The launcher platform of claim 16 in which there are N rails total where				
2	2 N is an even number, N/2 rails on each side of the support structure, and the minority of					
3	3 the rails are elevated.					
1	19.	The launcher platform of claim 16 in which there are N rails total where				
2	2 N is an even number, N/2 rails on each side of the support structure and the minority of					
3 the rails are offset rearwardly from the other rails.						
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1	20.	The launcher platform of claim 16 in which the support structure is a				
2	2 monolithic platform.					
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1	21.	The launcher platform of claim 20 in which the monolithic platform				
2	includes a set of mounting pads for each rail.					



- 2 as a part of the platform.
- 1 23. The launcher platform of claim 20 in which the platform has a
- 2 predetermined width and a predefined length.
- 1 24. The launcher platform of claim 20 in which the platform is made of
- 2 aluminum.
- 1 25. The launcher platform of claim 20 in which the platform is made of a
- 2 composite material.
- 1 26. The launcher platform of claim 20 in which the platform has a center line
- 2 and the rails are symmetrically arranged with respect to the centerline of the platform.



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30.	A launcher	platform	comprising

- 2 a support structure; and
- a plurality of rails on each side of the support structure, at least
- 4 one rail on each side offset rearwardly from the other rail or rails to accommodate
- 5 additional missles and different type missles.
- 1 31. The launcher platform of claim 30 in which at least one rail is elevated
- 2 above the other rail or rails.

